





THE NEW SERIES

Pierce has further refined the industry leading TC forestry grapple. A complete and comprehensive design review has led to substantial improvements. From a distance, the grapple does not appear much different from what our loyal customers are accustomed to. However, now the structure possesses a much stronger design. The upper and lower housings are stronger, as well.

Tigercat 865

The precise leg shape geometry however remains virtually the same. This is a critical benefit on all Pierce grapples and it was important for us to maintain the same curvature on all models.

We've also evaluated all components and improved commonality and serviceability. For all upgraded components, they are 'drop in' replacements to the previous designs – making parts and service support seamless for grapples old and new. We have implemented these improvements on our most common sizes.

For those loyal Pierce grapple customers, we are confident that you will further benefit from our newly refined design. And for those new to pierce grapples, we welcome you to the Pierce family.

LOG ON!

How does less service and more uptime grab you? For more than 40 years, Pierce has been manufacturing hydraulic forestry grapples using input from professional loggers like you. As machinery and loggers get stronger, so do our grapples. The result is a product that does all the things you need it to do, easily and efficiently. They feature optimum arm shape for big wood, tight grapple closure for superior small log control, load check valves to eliminate the risk of dropping your payload, and heavy-duty legs that possess the optimum shape for shovel logging, loading, unloading and sorting.

INCLUDES:

- Resilient, wear and impact-resistant material used throughout structure and arms.
- Heavy-duty grapple arms designed for the rigors of west coast logging.
- Single center pivot pin design requires less maintenance and offers small grapple closure.
- Logs roll up into "throat" for greater payload control, regardless of log diameter.
- Oversized pins and bushings.
- 360° continuous rotation.
- Check valve with new accompany relief valve reduces risk of cylinder damage or blown cylinder seals, even during extreme spikes in pressure.
- Heavy-duty cylinder protection.
- Component commonality between all Pierce TC models for ease of serviceability and support, benefiting customers who own multiple grapples.

GRAPPLE MODEL	TC46	TC52	TC58	TC60	TC63	TC66	TC68
OVERALL HEIGHT OPEN (A)	71"	72"	76"	78"	77‴	80"	83"
MINIMUM OPENING (B)	4"	4.5″	7"	7"	6.5"	8.5″	7.5"
MAXIMUM OPENING (C)	46"	53"	58"	61"	63"	66	67"
LEG DEPTH: INNER (D)	7"	8"	8.25"	8.25"	8.25"	10.25"	10"
LEG DEPTH: OUTER (E)	11.5"	14"	14"	14"	14"	15.5"	15.5"
ARM CYLINDER SIZE	3.5"	4"	4"	4"	4"	4"	4"
TIP TO TIP SQ. FT.	3.16	3.43	4.71	4.71	4.62	5.5	6.96
CONTINUOUS ROTATION	360°	360°	360°	360°	360°	360°	360°
WEIGHT (Excluding Link)	1,200#	2,350#	2,475#	2,550#	2,575#	2,600#	2,900#
	HYDRAULIC REQUIREMENTS						

		ALFILM 15
OPEN/CLOSE	3,000 P	SI.
ROTATE	1,500 PSI.	

STANDARD SELECTIONS ARE SHOWN. ALTERNATE SIZES AND A SELECTION OF LEG SHAPES AVAILABLE FOR ALL GRAPPLES UPON REQUEST. FEATURES AND TECHNICAL DATA MAY VARY WITHOUT NOTICE

RECOMMENDED GRAPPLE SIZE							
MACHINE (IN M.T.)	TC46	TC52	TC58	TC60	TC63	TC66	TC68
20-21	Х	Х					
24-26		Х	χ				
27-31		Х	χ	Х	Х		
35-39				Χ	Х	Х	Х
40-52				Х	Х	Х	Х

PIERCE - FORESTRY GRAPPLES

FORESTRY GRAPPLES

FORESTRY GRAPPLES

PIERCE BRUSH RAKE.

- Designed for heavy-duty brush piling.
- Use with your Pierce forestry grapple, eliminate the need for a separate, dedicated brush grapple.
- Heavy-duty stand and mounting connections included for easy attach/detach.
- Simple pin-on design allows one-man mount/dismount in minutes.

GRAPPLE LINKS.

A SELECTION OF GRAPPLE LINKS ARE AVAILABLE TO PROPERLY SUIT ALL BRANDS OF MACHINES AND BOOM CONFIGURATIONS

DOGBONE

THROUGH-THE-SNOOT (Requires through the snoot heel rack)

Y-LINK For "male style" stick tip (i.e. excavator or droop nose stick)

EXTREME DUTY.

Pierce power grapples are built tough to stand up to the rigors of extreme climate and working conditions of North American forests.

Our power grapples feature direct pin-on or quick coupler lugging for excavators, roadbuilders, and log loaders alike, and feature 360° continuous rotation and include open/ close/rotate proportional control for added versatility. POWER GRA

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POWER GRAPPLE

INCLUDES:

- T-1 steel for superior strength and AR400 for abrasive-resistant surfaces.
- Common upper structure integrates lugging interface to any excavator.
 Enclosed upper structure protects hydraulic components from debris and impact.
- Common upper structure allows for interchangeability between various bucket/grapple tines, eliminating the need for multiple dedicated work tools.
- (2) fixed outriggers.
- 4x3-tine bypassing grapple arms.
- Oversized pins and bushings.
- Dual drive rotate motors.
- 360° continuous rotation.
- Heavy-duty cylinders.
- "Valve in head" configuration minimizes machine's hydraulic requirements.
- Open/close/rotate 'proportional' control (in lieu of 'on/off' control) offers superior payload control.
- Momentary rotational float allows payload's momentum to pivot work tool.
- Direct coupled rotate drive with double supported pinion gear and high
- Rugged main bearing with large capacity through-bolted external gear slewing ring.
- Easy access to all service and maintenance locations.
- Bolt-on service covers protect main bearing and other
- serviceable locations. • Lugging for any excavator.

OPTIONS: • Tool cylinder. • Tool cylinder anchor. • BNT Installation control kit.

• Alternate arm

		POWER GRAPPLE			
	MODEL	РРА-27F			
	CAPACITY	6FT ² SORTING/RAKE	8FT ² PULPWOOD	11FT ² PULPWOOD	
	MACHINE SIZE IN M.T.	24-39	24-39	24-39	
	WEIGHT (SINGLE ROTATE DRIVE, NO LUGGING)	4,425#	5,000#	5,250#	
Α	HEIGHT (OPEN)	76"	83"	82"	
В	HEIGHT (CLOSED)	80"	85''	88"	
С	OVERALL WIDTH (OPEN)	86"	98"	110"	
D	OVERALL WIDTH (CLOSED)	46"	59''	61"	
Ε	MAXIMUM OPENING	81"	87"	93"	
F	MINIMUM OPENING	5"	6''	7"	
G	DEPTH	39"	39"	39"	
	ROTATE GEAR/BEARING DIAMETER	27"	27"	27"	
	MAIN BEARING RATING	120,000 LBS.@ 0 FT. LBS	120,000 LBS.@ 0 FT. LBS	120,000 LBS.@ 0 FT. LBS	
	ROTATION	360°, CONTINUOUS	360°, CONTINUOUS	360°, CONTINUOUS	
	STANDARD DRIVE	DUAL DRIVE	DUAL DRIVE	DUAL DRIVE	
	CYLINDER SIZE	4"	4"	4"	

STANDARD SELECTIONS ARE SHOWN. ALTERNATE SIZES AND A SELECTION OF LEG SHAPES AVAILABLE FOR ALL GRAPPLES UPON REQUEST. FEATURES AND TECHNICAL DATA MAY VARY WITHOUT NOTICE.

HYDRAULIC REQUIREMENTS		
MACHINE MAXIMUM PRESSURE	4,000 psi	
MACHINE MAXIMUM FLOW	50-60 GPM	
OPEN / CLOSE	4,000 psi	
ROTATE	2,500 psi	

POWER ON!

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Pierce power clams are specifically made to stand up to the rigors of heavy construction, forestry, demolition, and extreme climate and work conditions. They're also perfect for ground level demolition, road building, and heavy-duty excavation.

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POWER

Link-Belt

POWER CLAM

INCLUDES:

- T-1 steel for superior strength and AR400 for abrasive-resistant surfaces.
- Common upper structure integrates lugging interface to any excavator.
- Enclosed upper structure protects hydraulic components from debris and impact.
- Common upper structure allows for interchangeability between various bucket/grapple tines, eliminating the need for multiple dedicated work tools.
- (2) fixed outriggers.
- 4x3-tine bypassing grapple arms.
- Oversized pins and bushings.
- Dual drive rotate motors.
- 360° continuous rotation.
- Heavy-duty, high pressure hydraulic swivel.
- Heavy-duty cylinders.
- "Valve in head" configuration minimizes machine's hydraulic requirements.
- Open/close/rotate 'proportional' control (in lieu of 'on/off' control) offers superior payload control.
- Momentary rotational float allows payload's momentum to pivot work tool.
- Direct coupled rotate drive with double supported pinion gear and high output motor(s).
- Rugged main bearing with large capacity through-bolted external gear slewing ring.
- Easy access to all service and maintenance locations.
- Bolt-on service covers protect main bearing and other serviceable locations.
- Lugging for any excavator.

OPTIONS:

- Tool cylinder.
- Tool cylinder anchor.
- BNT Installation control kit.
- Alternate arm configurations.

FEATURES AND TECHNICAL DATA MAY VARY WITHOUT NOTICE.

HYDRAULIC REQUIREMENTS				
MACHINE MAXIMUM PRESSURE	4,000 PSI			
MACHINE MAXIMUM FLOW	50-60 PSI			
OPEN / CLOSE	4,000 PSI			
ROTATE	2,500 PSI			

TOUGH ENOUGH TO CUT. ALL OF IT.

You asked for it, you've got it! A heavy-duty bar saw built to cut big timber and made to last with greater strength, stronger durability, and larger cutting capacity. A heavy-duty frame consisting of a strong, simple structure eliminates the need for reconditioning. And forget about needing structural reinforcements prior to your first cut. This saw is ready for work right out of the box.

PBS3440 BAR SAW.

The PBS 3440 is stronger, safer, and more productive than competitive disk-style saws. Instead of cutting before grabbing the stem, the PBS3440 secures the tree first, then cuts-a significant safety advantage on steep slopes. And ours is the only saw on the market capable of a 36" (single-pass) cutting capacity. This means no more wasted time double cutting. Also, cutting a straight, square butt eliminates extra steps with the processor, saving your operation valuable time while maximizing production. Reverse cutting and no recovery time, as well as minimal maintenance, less demand for handfallers, and less fuel consumption makes the PBS3440 a cut above anything out there.

WHY A PIERCE BAR SAW?

- Strong, durable saw that is not "disposable" after a short life span.
- Strong, simple structure-not a pasted together weldment.
- Primarily suited for the applications of the Pacific Northwest and Western Canada.
- Does not require frequent reconditioning after each season.
- Does not require structural reinforcements before it cuts a single tree.

SPECIFICATIONS	PBS3440			
OVERALL WEIGHT	4,780LB			
HEIGHT	99"			
WIDTH	66			
ARM OPENING	39.5″			
LATERAL TILT: Standard	40°			
LATERAL TILT: Optional	350°			
CUTTING CAPACITY	36"			
SAW OIL TANK	3.5 GALLON			
CARRIER REQUIREMENTS				
MACHINE SIZE (IN M.T.)	27-45			
PRESSURE REQUIREMENTS	3,600-5,000PSI			
FLOW REQUIREMENTS	50-75 GPM			

FEATURES AND TECHNICAL DATA MAY VARY WITHOUT NOTICE. SPECIFICATIONS REFLECT SAWS EQUIPPED WITH 40° LATERAL TILT.

Pierce Pacific Manufacturing, Inc.

4424 NE 158th Portland, Oregon 97230 USA

Post Office Box 30509 Portland, Oregon 97294 USA

Telephone: 503.808.9110 Toll Free: 800.760.3270 Fax: 503.808.9111

www.piercepacific.com

